

### General Information

Extended Product Type:	SU203M-K20
Product ID:	2CDS273337R0487
EAN:	4016779930390
Catalog Description:	Miniature Circuit Breaker - SU200M - 3P - K - 20 A
Long Description:	SU203M-K20 Miniature Circuit Breaker K-Char., 10kA, 20A, 3P UL489

### Categories

Products » Low Voltage Products and Systems » Modular DIN Rail Products » Miniature Circuit Breakers MCBs

### Ordering

EAN:	4016779930390
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

### Dimensions

Product Net Width:	52.5 mm
Product Net Depth:	69 mm
Product Net Height:	111 mm
Product Net Weight:	0.375 kg

### Container Information

Package Level 1 Units:	3 piece
Package Level 1 Width:	121 mm
Package Level 1 Length:	191 mm
Package Level 1 Height:	82 mm
Package Level 1 Gross Weight:	1.175 kg
Package Level 1 EAN:	4016779936293
Package Level 2 Units:	24 piece
Package Level 2 Width:	275 mm
Package Level 2 Length:	395 mm
Package Level 2 Height:	210 mm
Package Level 2 Gross Weight:	16 kg
Package Level 2 EAN:	4016779940092

### Environmental

Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +70 °C
Resistance to Shock acc. to IEC 60068-2-27:	25g / 2 shocks / 13 ms
Resistance to Vibrations acc. to IEC 60068-2-6:	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Environmental Conditions:	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %

### Technical

Standards:	CSA 22.2 No. 5 IEC/EN 60947-2 UL 489
Number of Poles:	3
Tripping Characteristic:	K
Rated Current (I <sub>n</sub> ):	20 A
Rated Operational Voltage:	acc. to IEC60947-2 400 V AC
Power Loss:	7,5 W at Rated Operating Conditions per Pole 2,5 W
Rated Insulation Voltage (U <sub>i</sub> ):	acc. to IEC/EN 60664-1 440 V
Rated Frequency (f):	50 Hz 60 Hz DC Hz
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ):	15 kA
Rated Service Short-Circuit	11.2 kA

<b>Breaking Capacity (I<sub>CS</sub>):</b>	
<b>Overvoltage Category:</b>	III
<b>Pollution Degree:</b>	3
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
<b>Dielectric Test Voltage:</b>	50 / 60 Hz, 1 min: 2 kV
<b>Housing Material:</b>	Insulation Group I, RAL 7035
<b>Contact Position Indication:</b>	Red ON / Green OFF
<b>Degree of Protection:</b>	IP20
<b>Remarks:</b>	IP40 in enclosure with cover
<b>Electrical Endurance:</b>	20000 AC cycle
<b>Mechanical Endurance:</b>	20000 cycle
<b>Terminal Type:</b>	Screw Terminals
<b>Screw Terminal Type:</b>	Failsafe Bi-directional Cylinder-lift Terminal
<b>Connecting Capacity:</b>	Busbar 10 / 10 mm <sup>2</sup> Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 35 mm <sup>2</sup> Stranded 0.75 ... 35 mm <sup>2</sup>
<b>Tightening Torque:</b>	2.8 N·m
<b>Recommended Screw Driver:</b>	Pozidriv 2
<b>Mounting on DIN Rail:</b>	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
<b>Mounting Position:</b>	Any

#### Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	480Y / 277 V AC
<b>Connecting Capacity UL/CSA:</b>	Busbar 18 ... 8 AWG Conductor 18 ... 4 AWG

#### Certificates and Declarations (Document Number)

<b>Declaration of Conformity - CE:</b>	2CDK400595D2701
<b>RoHS Information:</b>	2CDK400596D0201

#### Classifications

<b>eClass:</b>	7.0 27141901
<b>ETIM 5.0:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>UNSPSC:</b>	39121614

